

TP 01310

TP 01310

|   |                  |
|---|------------------|
| NOAA FORM 76-35<br>(6-80)   |                  |
| U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION<br>NATIONAL OCEAN SURVEY |                  |
| DESCRIPTIVE REPORT  |                  |
| THIS MAP EDITION WILL NOT BE FIELD EDITED   |                  |
| Map No.<br>TP-01310   | Edition No.<br>1 |
| Job No.<br>CM-8405  |                  |
| Map Classification<br>CLASS III FINAL   |                  |
| Type of Survey<br>SHORELINE   |                  |
| LOCALITY  |                  |
| State<br>ALASKA   |                  |
| General Locality<br>POINT AUGUSTA TO CRIST POINT  |                  |
| Locality<br>PORPOISE ISLANDS  |                  |
| 1985 TO 19  |                  |
| REGISTERED IN ARCHIVES  |                  |
| DATE  |                  |

|  |  |   |             |   |  |  |   |
|--|--|---|-------------|---|--|--|---|
| NOAA FORM 76-36A<br>(3-72)   |  | U. S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.   |             |   |  |  |   |
| <b>DESCRIPTIVE REPORT - DATA RECORD</b>  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">           TYPE OF SURVEY<br/> <input checked="" type="checkbox"/> ORIGINAL<br/> <input type="checkbox"/> RESURVEY<br/> <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           SURVEY TP. <u>01310</u><br/><br/>           MAP EDITION NO. <u>(1)</u><br/>           MAP CLASS III (Final)<br/><br/>           JOB <u>CM-8405</u> </td> </tr> </table>   |             | TYPE OF SURVEY<br><input checked="" type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED | SURVEY TP. <u>01310</u><br><br>MAP EDITION NO. <u>(1)</u><br>MAP CLASS III (Final)<br><br>JOB <u>CM-8405</u> |  |   |
| TYPE OF SURVEY<br><input checked="" type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED  | SURVEY TP. <u>01310</u><br><br>MAP EDITION NO. <u>(1)</u><br>MAP CLASS III (Final)<br><br>JOB <u>CM-8405</u> |   |             |   |  |  |   |
| PHOTOGRAMMETRIC OFFICE<br>Coastal Mapping Unit, Atlantic Marine Center<br>Norfolk, VA<br>OFFICER-IN-CHARGE<br>C. Dale North, Jr., CDR  |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> <b>LAST PRECEDING MAP EDITION</b> </td> </tr> <tr> <td style="width: 50%;">           TYPE OF SURVEY<br/> <input type="checkbox"/> ORIGINAL<br/> <input type="checkbox"/> RESURVEY<br/> <input type="checkbox"/> REVISED         </td> <td style="width: 50%;">           JOB PH. _____<br/>           MAP CLASS _____<br/>           SURVEY DATES:<br/>           19__ TO 19__         </td> </tr> </table> |             | <b>LAST PRECEDING MAP EDITION</b>   |  | TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED | JOB PH. _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__ |
| <b>LAST PRECEDING MAP EDITION</b>  |  |   |             |   |  |  |   |
| TYPE OF SURVEY<br><input type="checkbox"/> ORIGINAL<br><input type="checkbox"/> RESURVEY<br><input type="checkbox"/> REVISED   | JOB PH. _____<br>MAP CLASS _____<br>SURVEY DATES:<br>19__ TO 19__  |   |             |   |  |  |   |
| <b>I. INSTRUCTIONS DATED</b>   |  |   |             |   |  |  |   |
| <b>1. OFFICE</b>   |  | <b>2. FIELD</b>   |             |   |  |  |   |
| Aerotriangulation                      November 3, 1986<br>Compilation                              Draft  |  | Control                                      March 1, 1985<br>Change No. 1                              March 25, 1985  |             |   |  |  |   |
| <b>II. DATUMS</b>  |  |   |             |   |  |  |   |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN   |  | OTHER (Specify)   |             |   |  |  |   |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER<br><input type="checkbox"/> MEAN LOW-WATER<br><input checked="" type="checkbox"/> MEAN LOWER LOW-WATER<br><input type="checkbox"/> MEAN SEA LEVEL |  | OTHER (Specify)   |             |   |  |  |   |
| 3. MAP PROJECTION<br>Oblique Mercator Projection   |  | 4. GRID(S)<br><table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE<br/>Alaska</td> <td style="width: 50%;">ZONE<br/>1</td> </tr> </table>  |             | STATE<br>Alaska   | ZONE<br>1  |  |   |
| STATE<br>Alaska  | ZONE<br>1  |   |             |   |  |  |   |
| 5. SCALE<br>1:20,000   |  | STATE                                      ZONE   |             |   |  |  |   |
| <b>III. HISTORY OF OFFICE OPERATIONS</b>   |  |   |             |   |  |  |   |
| <b>OPERATIONS</b>  |  | <b>NAME</b>   | <b>DATE</b> |   |  |  |   |
| 1. AEROTRIANGULATION BY<br>METHOD: Analytic                      LANDMARKS AND AIDS BY   |  | J. Taylor   | Jan. 1987   |   |  |  |   |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY<br>METHOD: Xynetics 1201                      CHECKED BY   |  | F. Mauldin  | Jan. 1987   |   |  |  |   |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY<br>COMPILATION                              CHECKED BY  |  | R. Kravitz  | Feb. 1987   |   |  |  |   |
| INSTRUMENT: Wild B-8<br>SCALE: 1:20,000                              CHECKED BY  |  | F. Mauldin  | Feb. 1987   |   |  |  |   |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY<br>METHOD: Smooth Drafted                      CHECKED BY  |  | R. Kravitz  | Feb. 1987   |   |  |  |   |
| SCALE: 1:20,000                              CHECKED BY  |  | F. Mauldin  | Feb. 1987   |   |  |  |   |
| 5. OFFICE INSPECTION PRIOR TO <del>FIELD EDIT</del> Final Review BY  |  | R. Kravitz  | Feb. 1987   |   |  |  |   |
| 6. APPLICATION OF FIELD EDIT DATA BY   |  | F. Mauldin  | Feb. 1987   |   |  |  |   |
| 7. COMPILATION SECTION REVIEW Class III BY   |  | N.A.  | Feb. 1987   |   |  |  |   |
| 8. FINAL REVIEW Class III BY   |  | N.A.  | Feb. 1987   |   |  |  |   |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY   |  | F. Mauldin  | Feb. 1987   |   |  |  |   |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY   |  | L. O. Neterer, Jr.  | Feb. 1987   |   |  |  |   |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY   |  | L. O. Neterer, Jr.  | May 1987    |   |  |  |   |
| 12. MAP REGISTERED - COASTAL SURVEY SECTION BY   |  | P. Dempsey  | June 1987   |   |  |  |   |
| 13. MAP REGISTERED - COASTAL SURVEY SECTION BY   |  | E. L. DAUGHERTY   | Jun 87      |   |  |  |   |

TP-01310  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

|   |          |   |          |                         |  |
|---|----------|---|----------|-------------------------|--|
| CAMERA(S) R.C. 10 "B" (f.l.=152.74mm)<br>R.C. 10 "Z" (f.l.=153.15mm)  |          | TYPES OF PHOTOGRAPHY<br>LEGEND                |          | TIME REFERENCE          |  |
| TIDE STAGE REFERENCE<br><input checked="" type="checkbox"/> PREDICTED TIDES<br><input type="checkbox"/> REFERENCE STATION RECORDS<br><input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY |          | (C) COLOR<br>(P) PANCHROMATIC<br>(I) INFRARED |          | ZONE<br>Alaska          | <input checked="" type="checkbox"/> STANDARD |
|   |          |   |          | MERIDIAN<br>135°        | <input type="checkbox"/> DAYLIGHT            |
| NUMBER AND TYPE   | DATE     | TIME  | SCALE    | STAGE OF TIDE           |  |
| 85Z(C) 3215-3216  | 06-28-85 | 13:25   | 1:50,000 | 5.4 feet above MLLW     |  |
| 85Z(C) 3595-3598  | 07-27-85 | 10:45   | 1:50,000 | 10.0 feet above MLLW    |  |
| 85B(1) 5060-5061  | 05-22-85 | 09:36   | 1:50,000 | 0.6 feet below MLLW     |  |
|   |          |   |          | Mean Tide Range= 14 ft. |  |

## REMARKS

Stage of tide is based on predicted tide data using Excursion Inlet gage.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The Mean High Water Line was compiled from office interpretation of the above listed compilation/bridging photographs using stereo instrument methods.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

A partial Mean Lower Low Water Line was compiled graphically to the limit of the above listed tide coordinated infrared photographs.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

| SURVEY NUMBER | DATE(S) | SURVEY COPY USED | SURVEY NUMBER | DATE(S) | SURVEY COPY USED |
|---------------|---------|------------------|---------------|---------|------------------|
|               |         |                  |               |         |                  |

## 5. FINAL JUNCTIONS

| NORTH    | EAST     | SOUTH    | WEST                          |
|----------|----------|----------|-------------------------------|
| TP-01309 | TP-01311 | TP-01313 | CM-8404<br>TP-01318, TP-01321 |

## REMARKS

CM-8404 will be compiled after this project.

TP-01310

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

| OPERATION                              | NAME  | DATE     |
|--|---|----------|
| 1. CHIEF OF FIELD PARTY                | J. Vandermeulen   | May 1985 |
| 2. HORIZONTAL CONTROL                  | RECOVERED BY<br>M. McEwen   | May 1985 |
|  | ESTABLISHED BY<br>N.A.  |          |
|  | PRE-MARKED OR IDENTIFIED BY<br>M. McEwen  | May 1985 |
| 3. VERTICAL CONTROL                    | RECOVERED BY<br>N.A.  |          |
|  | ESTABLISHED BY<br>N.A.  |          |
|  | PRE-MARKED OR IDENTIFIED BY<br>N.A.   |          |
| 4. LANDMARKS AND<br>AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY<br>N.A.   |          |
|  | LOCATED (Field Methods) BY<br>N.A.  |          |
|  | IDENTIFIED BY<br>N.A.   |          |
| 5. GEOGRAPHIC NAMES<br>INVESTIGATION   | TYPE OF INVESTIGATION<br><input type="checkbox"/> COMPLETE BY<br><input type="checkbox"/> SPECIFIC NAMES ONLY<br><input checked="" type="checkbox"/> NO INVESTIGATION |          |
| 6. PHOTO INSPECTION                    | CLARIFICATION OF DETAILS BY<br>N.A.   |          |
| 7. BOUNDARIES AND LIMITS               | SURVEYED OR IDENTIFIED BY<br>N.A.   |          |

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

Paneled

2. VERTICAL CONTROL IDENTIFIED

None

| PHOTO NUMBER | STATION NAME                      | PHOTO NUMBER | STATION DESIGNATION |
|--------------|-----------------------------------|--------------|---------------------|
| 85Z(C)3598   | DAY, 1922 (2sub points paneled)   |              |                     |
| 85Z(C)3595   | EGAN, 1959 (sub point paneled)    |              |                     |
| 85Z(C)2957   | EGAN No. 2 (2 sub points paneled) |              |                     |

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
|              |             |              |             |
|              |             |              |             |

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

3 Forms 76-53 CSI Cards

1 Form 76-109 Observations of Horizontal Directions for project.

TP-01310  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

| COMPILATION STAGES   |           |                      | DATE MANUSCRIPT FORWARDED |               |
|----------------------|-----------|----------------------|---------------------------|---------------|
| DATA COMPILED        | DATE      | REMARKS              | MARINE CHARTS             | HYDRO SUPPORT |
| Compilation Complete | Feb. 1987 | Class III Manuscript | None                      | None          |
| Final Review         | Feb. 1987 | Final Class III Map  | 5/20/87                   | 5/20/87       |
|                      |           |                      |                           |               |
|                      |           |                      |                           |               |

## II. LANDMARKS AND AIDS TO NAVIGATION None

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER<br>NUMBER ASSIGNED | DATE<br>FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|---------|
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |
|        |                                 |                   |         |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: None3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 76-40 ~~567~~ SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

|                   |                                 |                          |   |
|-------------------|---------------------------------|--------------------------|---|
| SECOND<br>EDITION | SURVEY NUMBER<br>TP - _____ (2) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       |   |
| THIRD<br>EDITION  | SURVEY NUMBER<br>TP - _____ (3) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       |   |
| FOURTH<br>EDITION | SURVEY NUMBER<br>TP - _____ (4) | JOB NUMBER<br>PH - _____ | TYPE OF SURVEY<br><input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY<br>MAP CLASS<br><input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
|                   | DATE OF PHOTOGRAPHY             | DATE OF FIELD EDIT       |   |

JOB CM-8405

ICY STRAIT

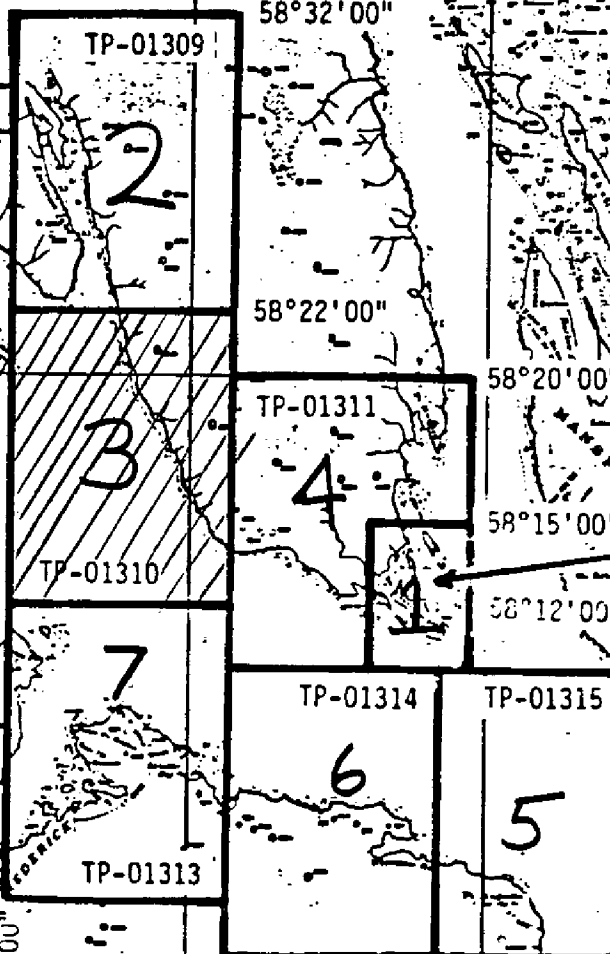
PT. AUGUSTA TO CRIST PT.

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

*TP-01312*



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT  
TP-01310

This 1:20,000 scale map is one of seven maps, six are 1:20,000 scale and one is 1:10,000 scale, in project CM-8405, Icy Strait, Point Augusta to Crist Point, Alaska. The project extends from latitude 58° 00' 00" north to latitude 58° 32' 00", longitude 134° 51' 00" west to 135° 32' 00". It includes Excursion Inlet.

Field work prior to compilation was accomplished during May 1985. This consisted of premarking triangulation stations to satisfy aerotriangulation requirements.

Photographic coverage was provided in June and July 1985 with color film using the Wild RC-10 "Z" camera (focal length 153.15 millimeters) and in May 1985 with black and white infrared film using the Wild RC-10 "B" camera (focal length 152.74 millimeters) all photography was at 1:50,000 scale.

Analytic aerotriangulation was performed at the Washington Science Center in January 1987. The manuscripts were ruled at the Atlantic Marine Center from data furnished by the aerotriangulation process.

Compilation was performed at the Atlantic Marine Center, from office interpretation of the 1:50,000 scale color and infrared photography, in February 1987. A Chart Maintenance Print for Marine Charts, a Hydrographic Print for the Hydrographic Branch, and a copy of the Hydrographic Print for the NOAA Ship FAIRWEATHER were forwarded.

This map is to be registered as a Final Class III Map.

The original base map and all pertinent data were forwarded to the Washington Science Center for final registration.

AEROTRIANGULATION REPORT  
CM-8405  
PT. AUGUSTA TO CRIST PT., ALASKA  
JANUARY 1987

21. AREA COVERED

The area covered by this report is from Pt. Augusta to Crist Pt. to the west and Excursion Inlet to the north. Icy Strait passes through the center of this area. This area is covered by six 1:20,000-scale and one 1:10,000-scale manuscripts. The 1:20,000-scale manuscripts are TP-01309, TP-01310, TP-01311, TP-01313, TP-01314, and TP-01315. The 1:10,000-scale manuscript is TP-01312.

22. METHOD

Six strips of 1:50,000 and two strips of 1:30,000-scale color photographs were bridged and adjusted to ground with the IDPF system.

A magnetic tape of the bridge points was created for the Atlantic Marine Center. The positions of these bridge points are in plane coordinates using the Alaska State Plane Coordinate System (Zone 1) with the Oblique Mercator Projection. All data will be based on the North American Datum of 1927.

No fixed aids to navigation or landmarks were located during aerotriangulation.

Ratio values were determined for the color bridging photographs and the black-and-white infrared photographs.

23. ADEQUACY OF CONTROL

The horizontal control provided for this project was adequate. Fourteen horizontal control points were used in the adjustment. One station, 594101, would not fit into the adjustment by 458 feet. Nothing wrong could be found with this station. Ties were made between the overlapping strips. This project meets NOS requirements for map manuscripts.

24. SUPPLEMENTAL DATA

Nautical charts were used to try to identify objects on the color bridging photographs. USGS quadrangles were used for vertical control.



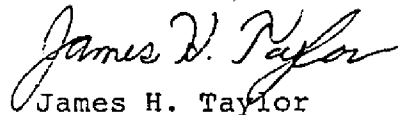
## 25. PHOTOGRAPHY

The coverage, overlap, and quality of the photographs proved adequate for this project. Most control station panels were difficult to identify and measure due to poor image quality. The original color film had to be ordered to help in the identification of targets. Once difficult targets were found, they were drilled on the film duplicates. No MLW, black-and-white infrared photographs were secured for manuscripts TP-01309 and TP-01310.

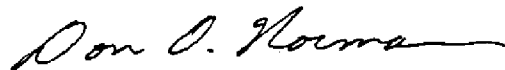
## 26. PHOTO HYDRO STATIONS

Eight photo hydro stations were established during field operations. Of the eight stations, only six could be positioned. The horizontal positions of these six stations are believed to be within  $\pm 10$  feet of their true ground position. Panel TC-15 could not be identified on the color bridging photographs, and panel TC-21 was too far beyond horizontal control to be included in the adjustment.

Submitted by:

  
James H. Taylor

Approved and Forwarded:



Don O. Norman  
Chief, Aerotriangulation Unit

CM-8405  
 FIT TO HORIZONTAL CONTROL  
 ▲= CONTROL HELD

|                           | PT. NO. | X      | Y     |
|---------------------------|---------|--------|-------|
| ▲GRASS 1981               | 226100  | - 0.1  | - 0.1 |
| ▲INNER 2, 1981 ~ SUB 1    | 228101  | - 0.3  | + 0.4 |
| ▲SCRAGGY 1901             | 942100  | + 0.4  | - 0.4 |
| ▲EGAN NO. 2 RM 2 - SUB 1  | 945101  | - 0.1  | + 0.8 |
| ▲FIRST 2 - SUB 1          | 947101  | - 0.2  | - 2.1 |
| ▲FIT 2, 1925              | 951100  | + 0.3  | + 1.3 |
| ▲PEACH 2, 1922            | 933100  | 0.0    | - 0.8 |
| ▲LIST 2, 1922             | 934100  | - 1.1  | - 0.1 |
| ▲EGAN NO. 2, RM 2 - SUB 1 | 957101  | - 1.3  | + 2.3 |
| ▲EGAN 1959 - SUB 1        | 602101  | + 0.8  | - 1.8 |
| ▲DAY 1922 - SUB 1         | 598101  | - 0.1  | + 1.4 |
| ▲GENE 1949 - SUB 1        | 596101  | - 0.5  | - 0.5 |
| GENE 1949 - SUB 1         | 594101  | +458.5 | - 6.6 |
| ▲EARTH 2, 1922 ~ SUB 1    | 937101  | - 0.7  | - 0.2 |
| ▲PULP 2, 1922 - SUB 1     | 936101  | + 0.3  | - 0.4 |

CM-8405  
RATIO VALUES

COLOR PHOTOGRAPHS

| <u>PHOTOGRAPHS</u>     | <u>RATIO</u> |
|------------------------|--------------|
| 85-ZC-2933A thru 2936A | 2.412        |
| 85-ZC-2941A thru 2951A | 2.412        |
| 85-ZC-2955A thru 2958A | 2.412        |
| 85-ZC-3215 thru 3218   | 2.468        |
| 85-ZC-3224 thru 3229   | 2.466        |
| 85-ZC-3593 thru 3602   | 2.482        |
| 85-ZC-2980A thru 2981A | 2.945        |
| 85-ZC-2965A thru 2968A | 2.946        |

BLACK-AND-WHITE INFRARED PHOTOGRAPHS

| <u>PHOTOGRAPHS</u>   | <u>RATIO</u> |
|----------------------|--------------|
| 85-BR-5035 thru 5038 | 2.444        |
| 85-BR-5046 thru 5056 | 2.457        |
| 85-BR-5060 thru 5064 | 2.455        |
| 85-BR-5069 thru 5072 | 2.445        |
| 85-BR-5064 thru 5066 | 3.000        |
| 85-BR-5038 thru 5039 | 3.000        |

58°32'00"

TP-01309

594101

596101

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

HOR. CONTROL

58°22'00"

937101

58°20'00"

TP-01311

936101

598101

602101

957101

933100

TP-01312

58°12'00"

TP-01310

942100

58°10'00"

228101

226100

58°02'00"

TP-01313

945101

947101

TP-01314

TP-01315

951100

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"

58°32'00"

TP-01309

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

1:30,000 COLOR PHOTOGRAPHS

58°22'00"

TP-01311

65-2C-  
2977A

58°20'00"

TP-01310

58°12'00"

85-2C-  
2983A

TP-01312

58°10'00"

TP-01315

TP-01313

58°02'00"

TP-01314

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"

58°32'00"

TP-01309

85-ZC-  
3602

85-ZC-  
3218

58°22'00"

85-ZC-  
3215

85-ZC-  
2955A

TP-01311

85-ZC-  
2933A

58°20'00"

TP-01310

58°12'00"  
85-ZC  
2951A  
58°10'00"

85-ZC-  
3224

85-ZC-  
3597

85-ZC-  
2937A

85-ZC-2959A

TP-01312

85-ZC  
3228  
58°02'00"

TP-01313

TP-01315

TP-01314

85-ZC  
2941A

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

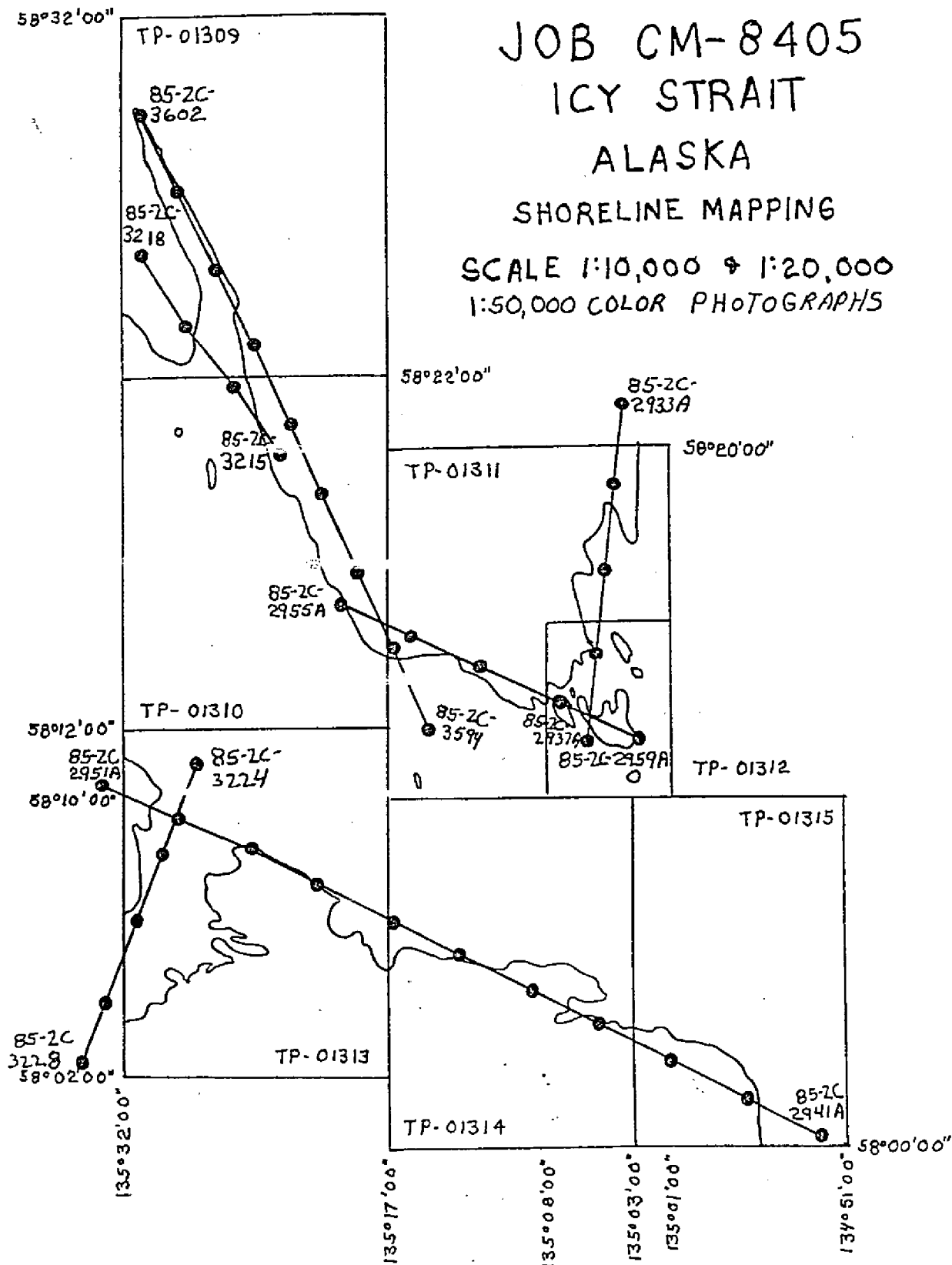
135°01'00"

134°51'00"

# JOB CM-8405 ICY STRAIT ALASKA

## SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000  
1:50,000 COLOR PHOTOGRAPHS



58°32'00"

TP-01309

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

1:50,000 B & W INFRARED

58°22'00"

85-BR-5036

TP-01311

58°20'00"

85-BR-5066

TP-01310

58°12'00"

85-BR-5064

85-BR-5040

TP-01312

58°10'00"

85-BR-5055

85-BR-5073

TP-01315

85-BR-5078

TP-01313

58°02'00"

TP-01314

85-BR-5045

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"

58°32'00"

TP-01309

JOB CM-8405

ICY STRAIT

ALASKA

SHORELINE MAPPING

SCALE 1:10,000 & 1:20,000

1:30,000 B & W INFRARED

58°22'00"

TP-01311

58°20'00"

85-BR-5028

85-BR-5089

85-BR-5087

TP-01312

85-BR-5032

TP-01315

58°12'00"

TP-01310

58°10'00"

TP-01313

58°02'00"

TP-01314

58°00'00"

135°32'00"

135°17'00"

135°08'00"

135°03'00"

135°01'00"

134°51'00"



## DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO.          | JOB NO.    | SOURCE OF INFORMATION<br>(Index) | AEROTRIANGULATION<br>POINT<br>NUMBER | GEODETTIC DATUM |         | GEOGRAPHIC POSITION                           |                            | ORIGINATING ACTIVITY     | REMARKS |
|------------------|------------|----------------------------------|--------------------------------------|-----------------|---------|---|----------------------------|--------------------------|---------|
|                  |            |                                  |                                      | STATION NAME    | CM-8405 | COORDINATES IN FEET<br>STATE Alaska<br>ZONE 1 | N.A. 1927                  |                          |         |
| EGAN No. 2 RM2   | TP-01310   | Coastal<br>Planning              | 957100                               |                 |         | X= 2,373,945.3626                             | $\phi$ 58° 14' 03.095"     |                          |         |
|                  |            |                                  |                                      |                 |         | Y= 2,341,826.9385                             | $\lambda$ 135° 17' 02.407" |                          |         |
| EGAN, 1959       |            | QUAD 581352<br>STA 1014          | 602100                               |                 |         | X= 2,373,935.2847                             | $\phi$ 58° 14' 03.376"     |                          |         |
|                  |            |                                  |                                      |                 |         | Y= 2,341,855.7078                             | $\lambda$ 135° 17' 02.608" |                          |         |
| DAY, 1922        |            | QUAD 581352<br>STA 1011          | 598100                               |                 |         | X= 2,363,200.01                               | $\phi$ 58° 16' 12.134"     |                          |         |
|                  |            |                                  |                                      |                 |         | Y= 2,355,188.74                               | $\lambda$ 135° 20' 29.222" |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
|                  |            |                                  |                                      |                 |         | X=  | $\phi$                     |                          |         |
|                  |            |                                  |                                      |                 |         | Y=  | $\lambda$                  |                          |         |
| COMPUTED BY      |            |                                  |                                      |                 |         |   |                            | COMPUTATION CHECKED BY   | DATE    |
| LISTED BY        | F. Mauldin |                                  |                                      |                 |         |   |                            | LISTING CHECKED BY       | DATE    |
| HAND PLOTTING BY | Xynelics   |                                  |                                      |                 |         |   |                            | HAND PLOTTING CHECKED BY | DATE    |

COMPILATION REPORT  
TP-01310

31 - DELINEATION

Delineation was accomplished using Wild B-8 stereo instrument compilation methods. Instrument compilation was used to delineate shoreline, alongshore, and interior detail based upon office interpretation of the 1:50,000 scale 1985 bridging/compilation color photographs. Tide coordinated mean lower low water infrared ratio photographs were used to graphically compile a partial approximate mean lower low water line to the limit of available photo coverage. Control for graphic delineation was provided by the instrument compilation of coastal detail and common image points.

All photographs used to compile this map are listed on NOAA form 76-36B. The photography was adequate.

32 - CONTROL

The horizontal control was adequate. Refer to the Aerotriangulation Report, dated January 1987.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to this project. Drainage was compiled from office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

The mean high water line was compiled from office interpretation of the compilation/bridging photographs as described in item #31.

36 - OFFSHORE DETAILS

Offshore details were compiled by instrument methods as described in item #31.

The mean lower low water infrared photographs were ratioed in order to graphically compile the approximate mean lower low water line as described in item #31.

37 - LANDMARKS AND AIDS

There are no landmarks or aids to navigation within the limits of this map.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item 5, of the Descriptive Report.

40 - HORIZONTAL AND VERTICAL ACCURACY

See item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison was made with the following U. S. Geological Survey Quadrangles:

Juneau (B-5), Alaska; dated 1950, minor revisions 1966; scale 1:63,360

Juneau (B-4), Alaska; dated 1949, minor revisions 1972; scale 1:63,360

Juneau (A-4), Alaska; dated 1948, minor revisions 1975; scale 1:63,360

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following National Ocean Service charts:

17300; 24th edition; dated June 15, 1985; scale 1:209,978

17302; 14th edition; dated October 3, 1981; scale 1:80,000

17316; 14th edition; dated October 30, 1982; scale 1:80,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by:

*Robert R. Kravitz*

Robert R. Kravitz  
Cartographic Technician

Date: February 5, 1987

Approved:

*James L. Byrd, Jr.*

James L. Byrd, Jr.  
Chief, Coastal Mapping Unit

FEB 26 1981

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-8405 (Icy Strait, Alaska)

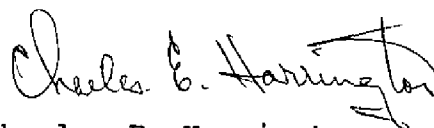
TP-01310

Icy Passage

Icy Strait

Porpoise Islands

Approved:

A handwritten signature in cursive script, reading "Charles E. Harrington". The signature is written in dark ink and is positioned above the printed name and title.

Charles E. Harrington  
Chief Geographer  
Nautical Charting Division  
Charting and Geodetic Services

REVIEW REPORT  
SHORELINE  
TP-01310

61 - GENERAL STATEMENT

See Summary included with this descriptive report.

62 - COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63 - COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. quadrangles: Juneau (B-5), Alaska, dated 1950 minor revision 1966, Juneau (B-4), Alaska, dated 1949 minor revisions 1972, and Juneau (A-4), Alaska, dated 1948 minor revisions 1975.

64 - COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Not applicable. This map will be registered as a Class III final map.

65 - COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 17302, 14th edition, dated October 3, 1981 and 17316, 14th edition, dated October 30, 1982; both are 1:80,000 scale.

66 - ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map complies with the Project Instructions and meets the requirements of National Standards of Map Accuracy.

Submitted by:

*Lowell O. Neterer, Jr.*  
Lowell O. Neterer, Jr.  
Final Reviewer  
February 23, 1987

Approved for forwarding:

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Quality Assurance Group, AMC

Approved:

*Lucy O. Rahorn*  
Chief, Photogrammetric Production Sec.

*A. Y. Bryson*  
Chief, Photogrammetry Branch

### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

## INSTRUCTIONS

**A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.**

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]